



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 87 98 66

Classification of the application (IPC):
H01J 23/06, H01J 23/07, H01J 25/02

Technical fields searched (IPC):
H01J

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US 5534747 A (CARRUTHERS MALCOLM J [US]) 09 July 1996 (1996-07-09) * column 3, line 19 - column 5, line 46; figures 1,3 *	1-15
A	US 2011291545 A1 (DURAND ALAIN JOSEPH [FR] ET AL) 01 December 2011 (2011-12-01) * paragraphs [0054] - [0079]; figures 6a-7b *	1-15
A	GB 2287579 A (EEV LTD [GB]) 20 September 1995 (1995-09-20) * page 5, paragraph 2 - page 8, paragraph 2; figures 1,3 *	1-15
A	US 5461282 A (SCHEITRUM GLENN P [US] ET AL) 24 October 1995 (1995-10-24) * column 2, lines 51-54; figures 4,5,7,8 *	1, 15
A	US 2003086748 A1 (CULPEPPER MARTIN L [US]) 08 May 2003 (2003-05-08) * paragraph [0036]; figures 1-13 *	1

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 12 July 2019	Examiner Zuccatti, Stefano
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
| &: member of the same patent family, corresponding document | L: document cited for other reasons |

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 12-07-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5534747	A	09-07-1996	NONE	
US 2011291545	A1	01-12-2011	FR 2953326 A1 US 2011291545 A1	03-06-2011 01-12-2011
GB 2287579	A	20-09-1995	NONE	
US 5461282	A	24-10-1995	NONE	
US 2003086748	A1	08-05-2003	NONE	